

IRS-1(Phospho-Ser636) Antibody

Catalog No: #11230

Package Size: #11230-1 50ul #11230-2 100ul

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Description

Product Name	IRS-1(Phospho-Ser636) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.
Applications	WB IHC
Species Reactivity	Human;Mouse;Rat
Specificity	The antibody detects endogenous level of total IRS-1 protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of serine 636 (P-M-S(p)-P-K) derived from Human IRS-1.
Conjugates	Unconjugated
Target Name	IRS-1
Modification	Phospho
Other Names	IRS-1; IRS1;
Accession No.	Swiss-Prot: P35568NCBI Protein: NP_005535.1
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

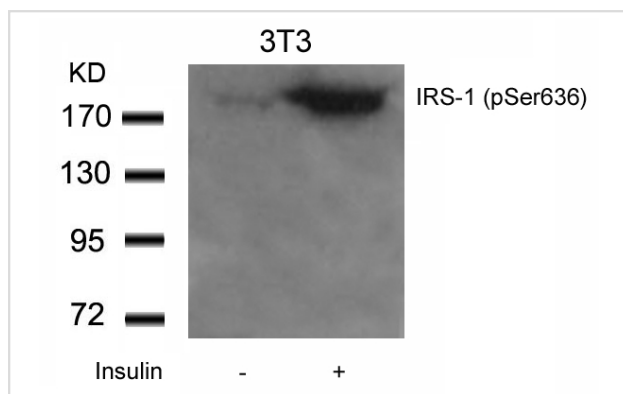
Application Details

Predicted MW: 180kd

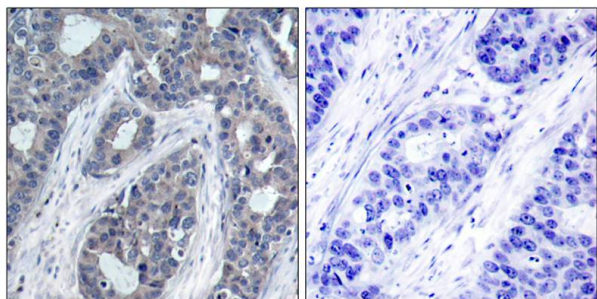
Western blotting: 1:500~1:1000

Immunohistochemistry: 1:50~1:100

Images



Western blot analysis of extracts from 3T3 cells untreated or treated with Insulin using IRS-1(Phospho-Ser636) Antibody #11230.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using IRS-1(Phospho-Ser636) Antibody #11230(left) or the same antibody preincubated with blocking peptide(right).

Background

May mediate the control of various cellular processes by insulin. When phosphorylated by the insulin receptor binds specifically to various cellular proteins containing SH2 domains such as phosphatidylinositol 3-kinase p85 subunit or GRB2. Activates phosphatidylinositol 3-kinase when bound to the regulatory p85 subunit

Ozes ON, et al. (2001) Proc Natl Acad Sci U S A; 98(8): 4640-4645

Tzatsos A, et al. (2006) Mol Cell Biol; 26(1): 63-76

Kadowaki T, et al. (2000) J Clin Invest; 106(4): 459-465

Ozes ON, et al. (2001) Proc Natl Acad Sci U S A; 98(8): 4640-4645

Szanto I, et al. (2000) Proc Natl Acad Sci U S A; 97(5): 2355-2360

Published Papers

el at., The role of mitochondrial oxidative stress in the metabolic alterations in diet-induced obesity in rats. In FASEB J on 2019 Nov by Mar n-Royo G, Rodriguez C, et al..PMID:31370681, , (2019)

[PMID:31370681](#)

el at., Metabolic inflammation exacerbates dopaminergic neuronal degeneration in response to acute MPTP challenge in type 2 diabetes mice. In Exp Neurol. On 2014 Jan by Wang L, Zhai YQ et al..PMID:24220636, , (2014)

[PMID:24220636](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.